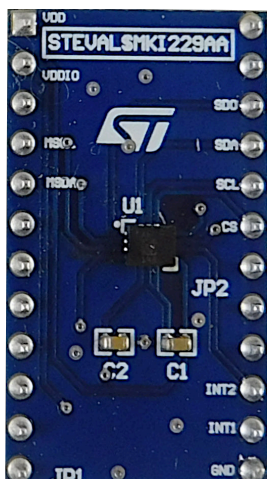


## LSM6DSO16IS adapter board for a standard DIL24 socket



### Features

- Complete [LSM6DSO16IS](#) pinout for a standard DIL24 socket
- Fully compatible with the [STEVAL-MKI109D](#) evaluation platform
- RoHS compliant

### Description

The [STEVAL-MKI229A](#) is an adapter board designed to facilitate the evaluation of the [LSM6DSO16IS](#) 6-axis IMU (inertial measurement unit) with ISPU (intelligent sensor processing unit). The board offers an effective solution for fast system prototyping and device evaluation directly within the user's own application.

The [STEVAL-MKI229A](#) can be plugged into a standard DIL24 socket. The adapter provides the complete [LSM6DSO16IS](#) pinout and comes ready to use with the required decoupling capacitors on the VDD power supply line.

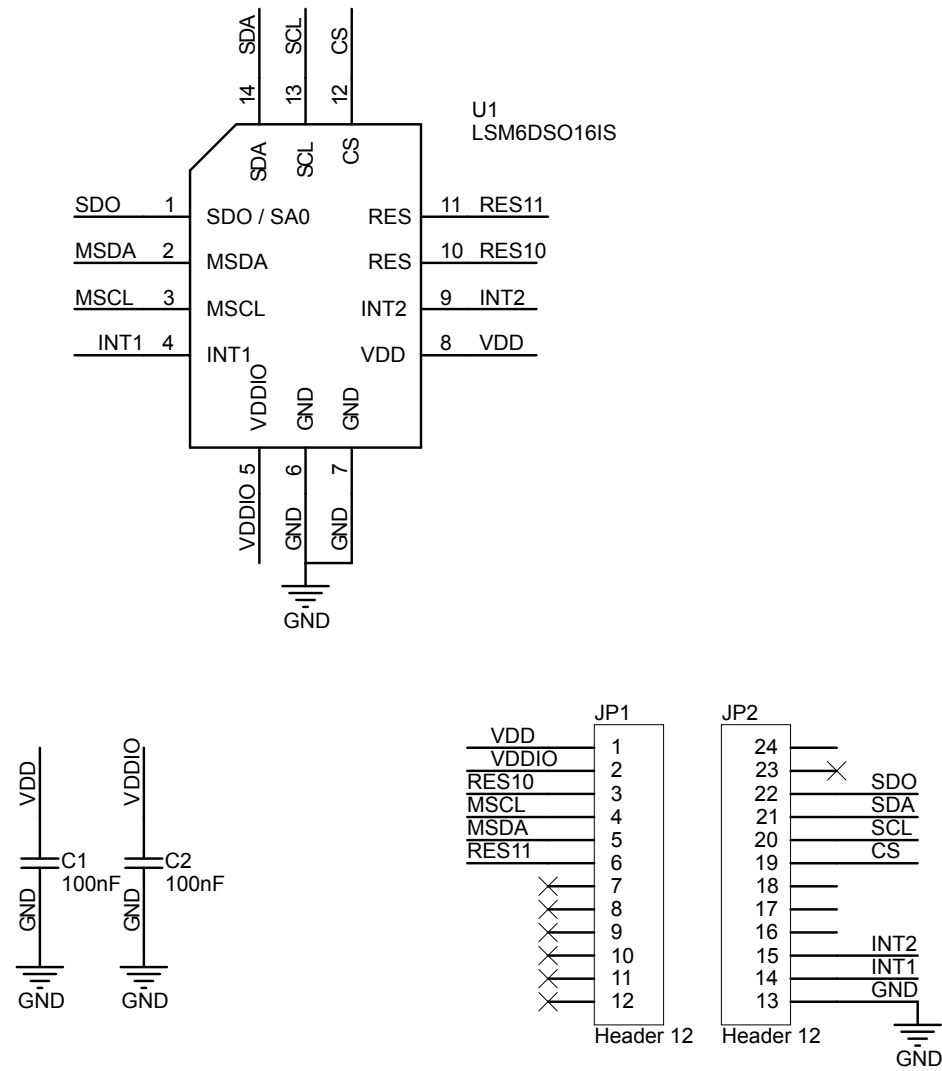
This adapter is supported by the [STEVAL-MKI109D](#) evaluation platform, which includes a high-performance 32-bit microcontroller functioning as a bridge between the sensor and a PC, on which it is possible to use the downloadable [MEMS Studio](#) graphical user interface or dedicated software routines for customized applications.

### Product summary

LSM6DSO16IS adapter board for a standard DIL24 socket	<a href="#">STEVAL-MKI229A</a>
6-axis IMU (inertial measurement unit): always-on 3-axis accelerometer and 3-axis gyroscope with ISPU (intelligent sensor processing unit)	<a href="#">LSM6DSO16IS</a>
Professional MEMS tool: evaluation board for all ST MEMS sensors	<a href="#">STEVAL-MKI109D</a>
Applications	IoT and connected devices

## Schematic diagrams

Figure 1. STEVAL-MKI229A circuit schematic



## 2 Board versions

**Table 1. STEVAL-MKI229A versions**

Finished good	Schematic diagrams	Bill of materials
STEVAL\$MKI229AA <sup>(1)</sup>	STEVAL\$MKI229AA schematic diagrams	STEVAL\$MKI229AA bill of materials

1. This code identifies the first version of the STEVAL-MKI229A evaluation board.

## Revision history

**Table 2. Document revision history**

Date	Revision	Changes
30-Mar-2022	1	Initial release
27-Aug-2024	2	Updated <a href="#">Description</a> to include MEMS Studio software solution Updated product summary table Minor textual updates
25-Sep-2024	3	Minor text changes
05-Jun-2025	4	Added STEVAL-MKI109D evaluation platform

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